

(3) Copies of any publication on the project;

(4) Detailed analysis of the result obtained; and

(5) Any other pertinent information.

(b) In addition to the information required by paragraph (a) of this section, the developmental report of a station authorized for the development of a proposed radio service must include comprehensive information on the following items:

(1) Probable public support and methods of its determination;

(2) Practicability of service operations;

(3) Interference encountered;

(4) Pertinent information relative to merits of the proposed service;

(5) Propagation characteristics of frequencies used, particularly with respect to the service objective;

(6) Frequencies believed to be more suitable and reasons therefor; and

(7) Type of signals or communications employed in the experimental work.

(c) Developmental reports will be made a part of the Commission's public records, except upon the applicant's specific request for confidentiality and Commission approval in accordance with § 0.459 of this chapter. Information determined confidential by the Commission will not be publicly disclosed.

### Subpart G—Digital Electronic Message Service

#### § 101.501 Eligibility.

Applications will be granted only in cases in which the applicant establishes it is legally, technically, financially and otherwise qualified to render the services proposed and that the public interest, convenience and necessity would be served by such a grant. Each application will identify the Standard Metropolitan Statistical Area (SMSA) within which boundaries the Digital Electronic Message Service (DEMS) nodal station will be constructed and which the facility will serve.

#### § 101.503 Digital Electronic Message Service Nodal Stations.

DEMS Nodal Stations may be authorized only as a part of an integrated communication system wherein DEMS

User Stations associated therewith also are licensed to the DEMS Nodal Station licensee. Applications for DEMS Nodal Station licenses should specify the maximum number of DEMS User Stations to be served by that nodal station. Any increase in that number must be applied for pursuant to § 101.15.

#### § 101.505 Frequencies.

(a) Frequencies in the 17,700–19,700 MHz band are available for assignment for all DEMS applicants. Assignment will consist of a pair of channels as set out in paragraph (c) of this section plus internodal channels as set out in paragraph (d) of this section.

(b) Licensees may apply for an additional channel pair in an SMSA only when it is operating its previously authorized DEMS at or near the expected capacity and the service to be provided will fully utilize all spectrum requested.

(c) DEMS assignments will be made according to the following plan, except that systems licensed, in operation, or applied for in the 10,565–10,615 and 10,630–10,680 MHz bands prior to July 15, 1993 are permitted to use frequencies in those bands if they prior coordinate with 10 GHz point-to-point licensees:

Channel No	Nodal station frequency band (MHz)	User station frequency band (MHz)
30 .....	18,870–18,880	19,210–19,220
31 .....	18,880–18,890	19,220–19,230
32 .....	18,890–18,900	19,230–19,240
33 .....	18,900–18,910	19,240–19,250
34 .....	18,910–18,920	19,250–19,260

NOTE TO (c): These channel pairs will be assigned in each SMSA and may be subdivided as desired by the licensee.

(d) Internodal link assignments are to be made in accordance with the provisions of subpart I of this part, applying to point-to-point operations.

#### § 101.507 Frequency stability.

The frequency stability of each DEMS Nodal Station transmitter authorized for this service in the 17,700–19,700 MHz band must be  $\pm 0.001\%$ . The frequency stability of each DEMS User Station transmitter authorized for this service in this band must be  $\pm 0.003\%$ .